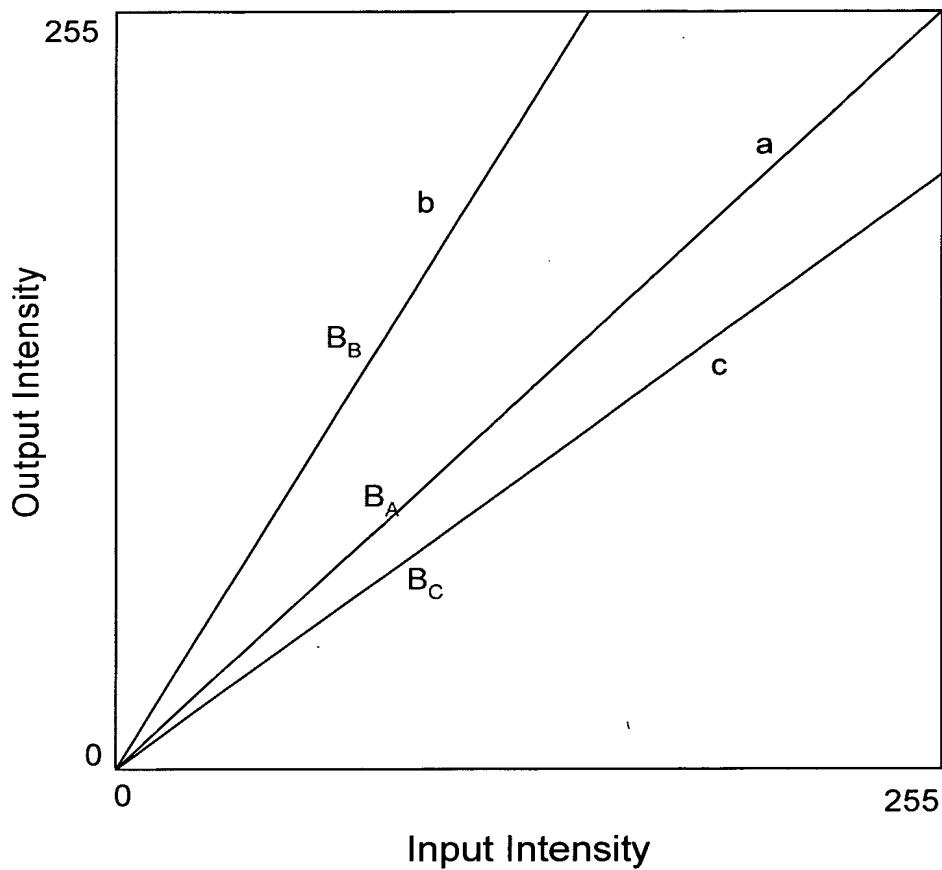


REPLACEMENT SHEET



- a - No change in output (Avg brightness  $B_A$ )
- b - Increased contrast, Increased brightness (Avg brightness  $B_B$ )
- c - Decreased contrast, Decreased brightness (Avg brightness  $B_C$ )

Figure 1

Standard contrast adjustment

REPLACEMENT SHEET

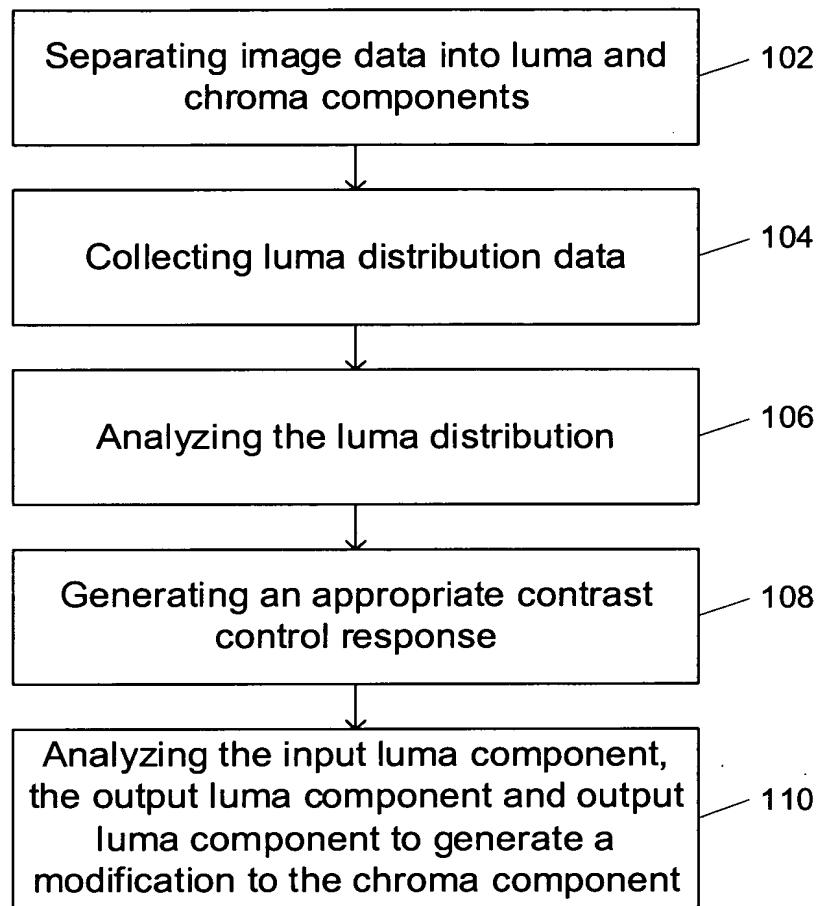
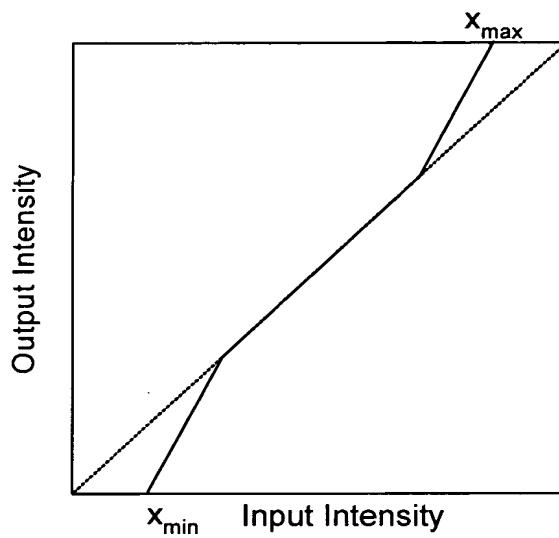


Fig. 2

## REPLACEMENT SHEET



**Figure 3**  
Recovering full luma dynamic range (“Snapping”)

# REPLACEMENT SHEET

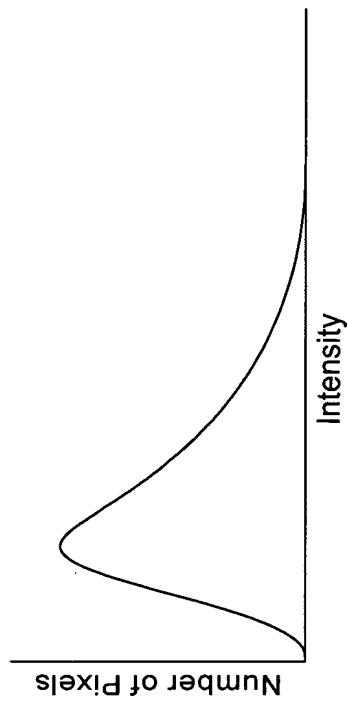
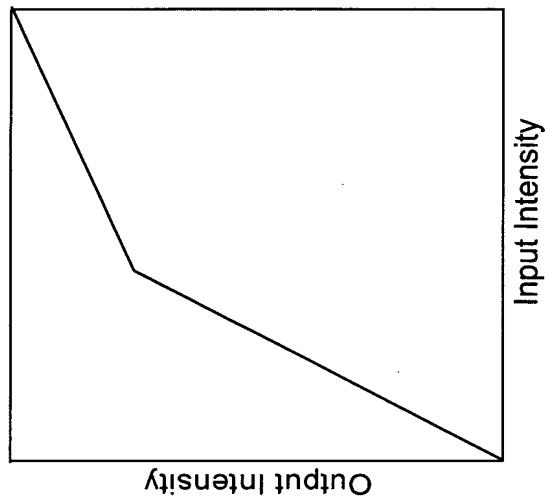


Figure 4

Dark image template transfer function

## REPLACEMENT SHEET

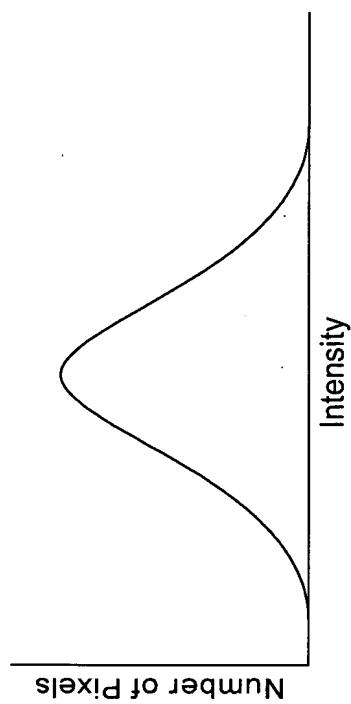
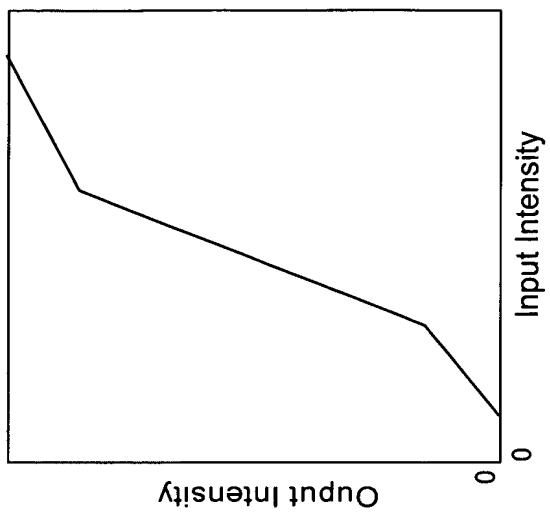


Figure 5

Mid-tone image template transfer function

## REPLACEMENT SHEET

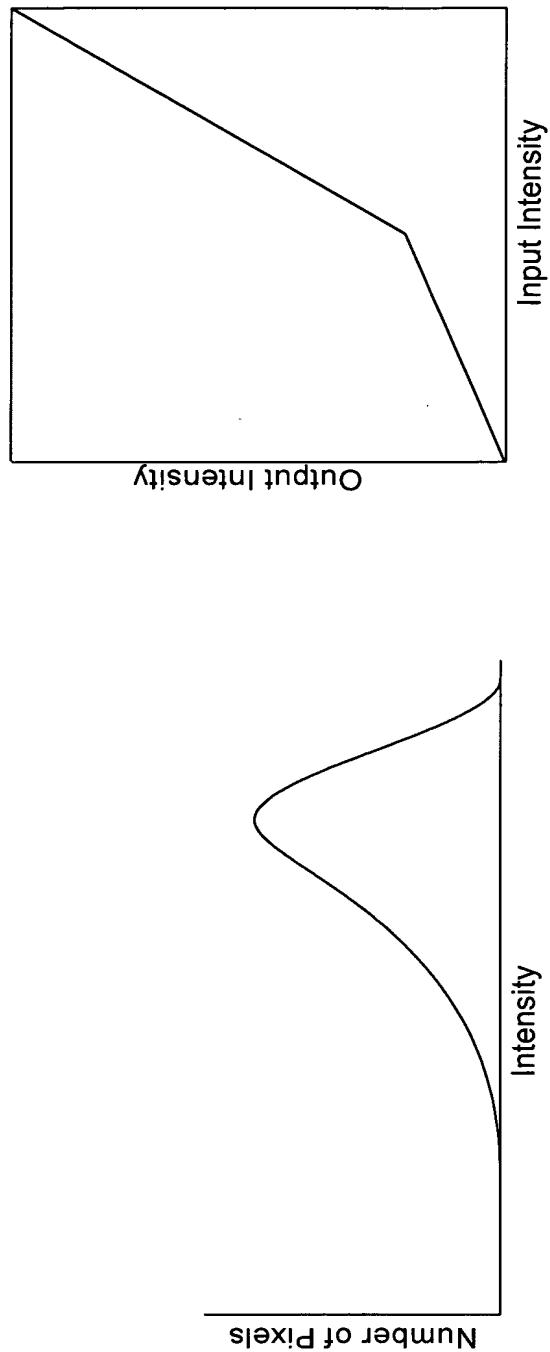


Figure 6

Bright image template transfer function

# REPLACEMENT SHEET

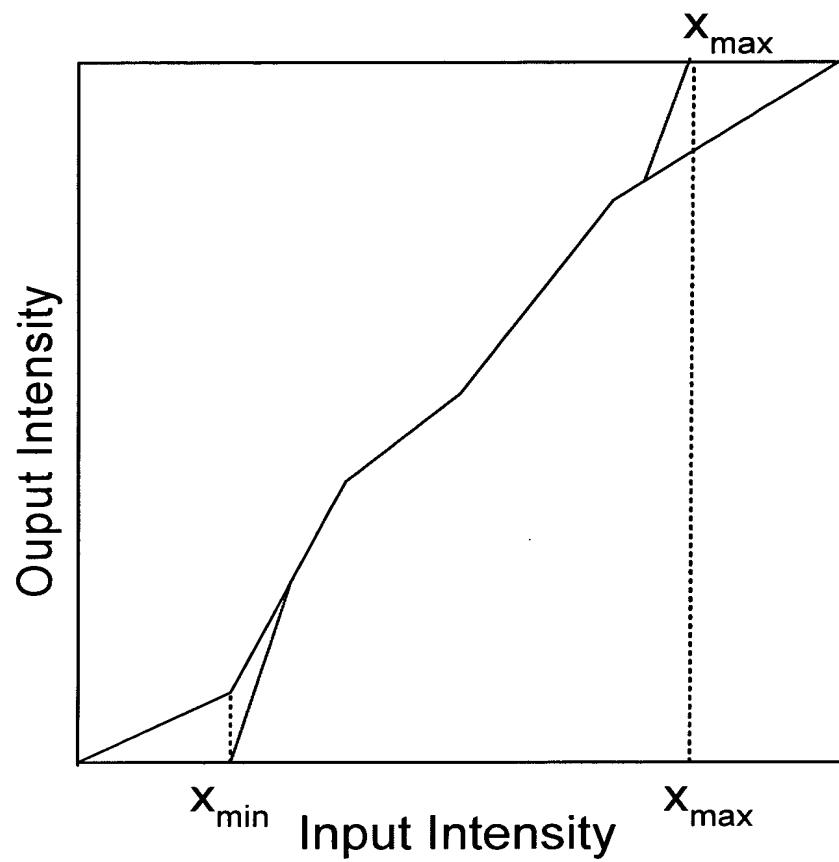


Figure 7



## REPLACEMENT SHEET

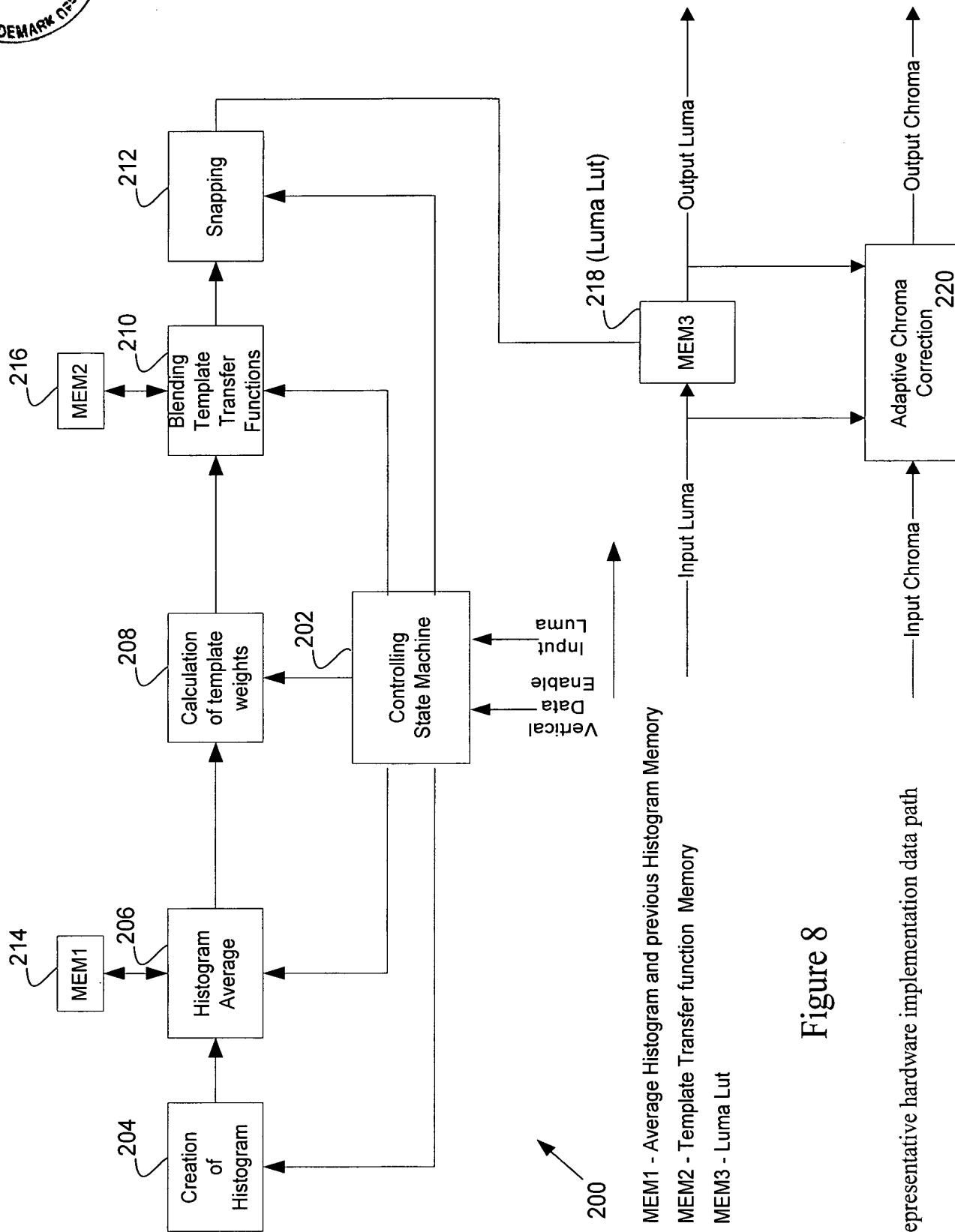


Figure 8

Representative hardware implementation data path